1.   **Status:** please all the replies and correspondence should be addressed to examiner's new

art unit 2629. Receipts are acknowledged of papers submitted on 05-27-2011 under

amendments; and on 07-11-2011 under E-mail with propose amendments to do Examiner

amendments, which have been placed of record in the file. Claims 1-4 are pending in this office

action.

Response to Amendment

2.   The amendment filed 05-25-2011 does not introduce new matter into the disclosure. The

added material is supported by the original disclosure and the support for limitation (b) in claims

1 and 4 and its corresponding limitation in claim 4 is found, for example, at page 16 line 23 and

at p.28 line 7 to page 30 line 6. The first passage at page 16 indicates that the term x_n refers to a

displayed value, and the passage from pages 20-30 indicates that the subscript "n" refers to the

current frame, that n- subscripts refer to preceding frames, while n+ subscripts refer to

subsequent frames. Thus the specification supports the limitation of determining a driving value

for a currently displayed frame (x_n) based on values from both preceding (x_{n-1}, x_{n-2}, etc.) and

subsequent frames (x_{n+1}, x_{n+2}, etc.). Applicant has amended Claims 1 and 4 to overcome prior art

rejection. Applicant has also E-mailed amendments to Claims 1 and 4, on 07-11-2011 to expedite

allowability of the instant application.

3.   The applicant has agreed to do examiner's amendments per examiner's extensive

interview with applicant's representative on 07-11-2011 to overcome prior art rejection and

expedite allowability of instant application.. The amended independent claims 1 and 4 with this

examiner amendment after further extensive search in PGPUB with all of the other prior art cited

on 892's 1449's, searched in NPL and further consideration does overcome prior art rejection;

which puts the application number 10676312 in condition for allowance.

EXAMINER'S AMENDMENT

4.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a personal telephone

interview with applicant's representative Kurt A. Rohlfs on 07-11-2011.

The application has been amended as follows:

In the Claims

Claim1 amended as following.

Claim 1 (amended) A method of modifying a video image comprising a plurality of

sequential frames to be displayed on a display;

(a)   receiving at least a portion of a current frame of said video image; and

(b)   modifying said current frame to alternatively increase or decrease the luminance

output of a portion of said display corresponding to a pixel of said current frame, by

overdriving a voltage to said portion to a current driving value for **display in** said current

frame, said current driving value automatically selected based upon:

      (i)   at least one predicted displayed luminance value of said pixel in respective

ones of at least one frame subsequent to said current frame of said video image; and

      (ii)   at least one previously displayed luminance value of said pixel in

respective ones of at least one frame previous to said current frame of said video image;

where

(c)   said current driving value is calculated to reach a non-equilibrium displayed

luminance value in said current frame used to predict said at least one predicted displayed

luminance value of said pixel in said at least one frame subsequent to said current frame.

Claim 4 amended as following.

Claim 4 (amended) A method of modifying an image to be displayed on a display;

(a)   receiving at least a portion of said image; and

(b)   modifying said image to alternatively increase or decrease the luminance output

of a pixel of said image by overdriving said pixel to a current **driving** value **for display

in said current frame,** ~~that is~~ **said current driving value** selected based upon:

      (i)   at least one predicted displayed luminance value of said pixel in respective

ones of at least one subsequent frame of said image; and

      (ii)   at least one previously displayed luminance value of said pixel in

respective ones of at least one previous frame of said image, wherein said at least

one previously displayed luminance value of said pixel is stored in a respective

frame buffers; where

(c)   a first said previously displayed luminance value is at a state where liquid crystal

material associated with said pixel of said display is not at an equilibrium state, and

where a second said previously displayed luminance value is at a state where said liquid

crystal material associated with said pixel is at an equilibrium state, and where said

second said previously displayed luminance value is from the earliest said at least one

frame, upon which selection of said current value is based.

Allowable Subject Matter

5.   Claims 1-4 are allowed.

The following is an examiner's statement of reasons for allowance: independent claims 1

and 4 are amended per examiner's extensive interview on 07-11-2011 with applicant's

representative to overcome prior art rejection. Applicant has agreed to amend the independent

claims 1 and 4 with examiner's amendments per interview discussion. Applicant has E-Mailed

on 07-11-2001 proposed amendments to do Examiner's amendments. The prior art of Liaw,

Ming- Jiun (US 20040140985 A1) and Sekiya et al. (US 2002/0175907 A1) with all of the other

prior art cited on 892's 1449's, searched in NPL and searched in PGPUB, fails to recite or

disclose all the other limitations of independent claims in combination with uniquely distinct

features represented by underlined bold claim limitations recited below;

(b)   modifying said current frame to alternatively increase or decrease the
luminance output of a portion of said display corresponding to a pixel of said current
frame, by overdriving a voltage to said portion to a current driving value for display in said
current frame, said current driving value automatically selected based upon:(i) _____ at
least one predicted displayed luminance value of said pixel in respective ones of at least one
frame subsequent to said current frame of said video image; and (ii) at least one previously
displayed luminance value of said pixel in respective ones of at least one frame previous to
said current frame of said video image; where (c)said current driving value is calculated to
reach a non-equilibrium displayed luminance value in said current frame used to predict
said at least one predicted displayed luminance value of said pixel in said at least one frame
subsequent to said current frame.

Any comments considered necessary by applicant must be submitted no later than the
payment of the issue fee and, to avoid processing delays, should preferably accompany the issue
fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for
Allowance."

Conclusion

6.   Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668.
The examiner can normally be reached on M-F 8AM to 5PM.

7.   The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

8.   Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria VA 22313-1450

/Prabodh M Dharia/

Primary Examiner,

Art Unit 2629

07-12-2011